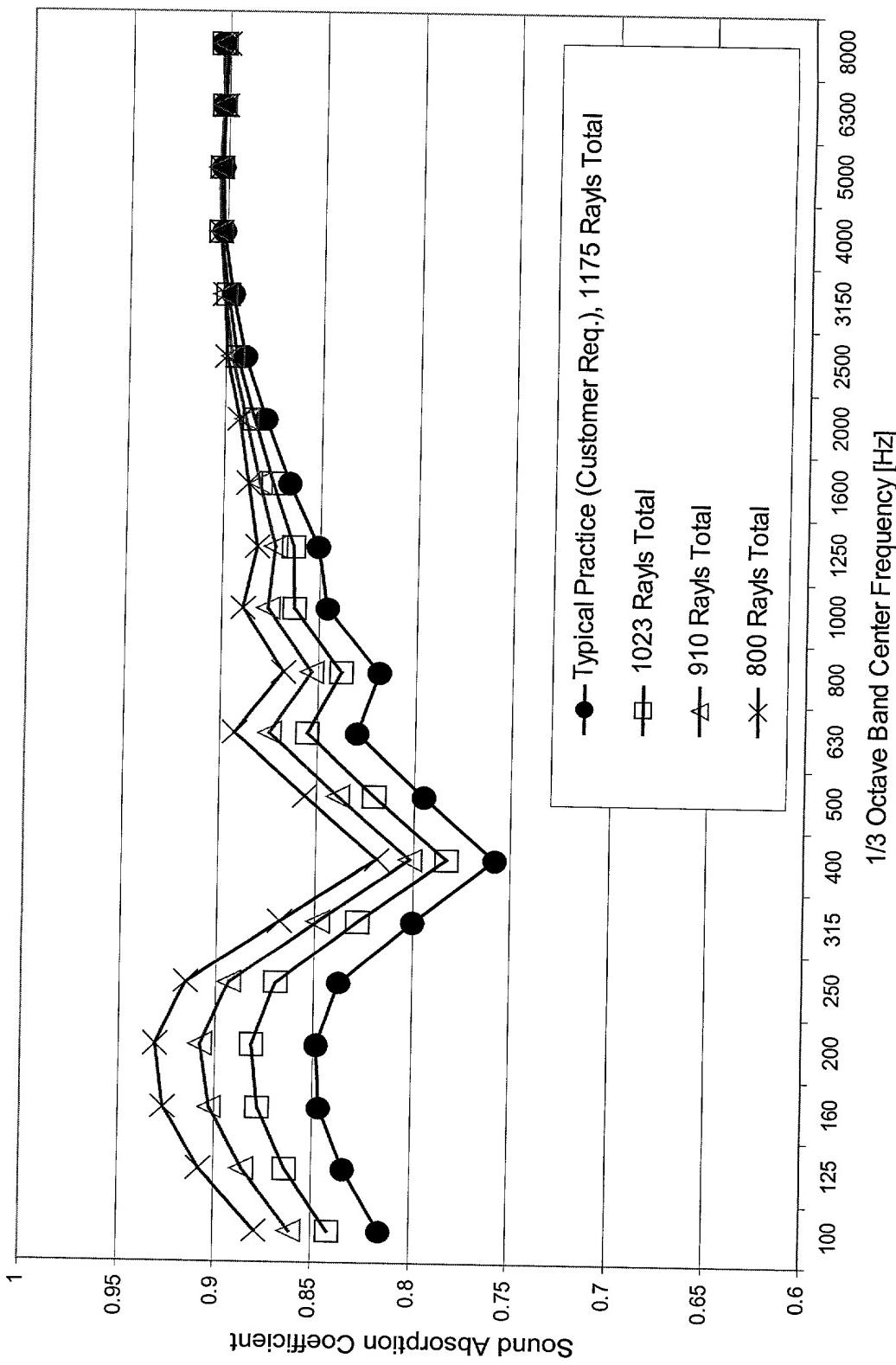


FIG. 1

**FIG 2**

**Model performance with constant facer resistance of 642 MKS Rays**



**FIG 3**

**Model Performance with Constant Total System Resistance of  
1175 MKS Rays**

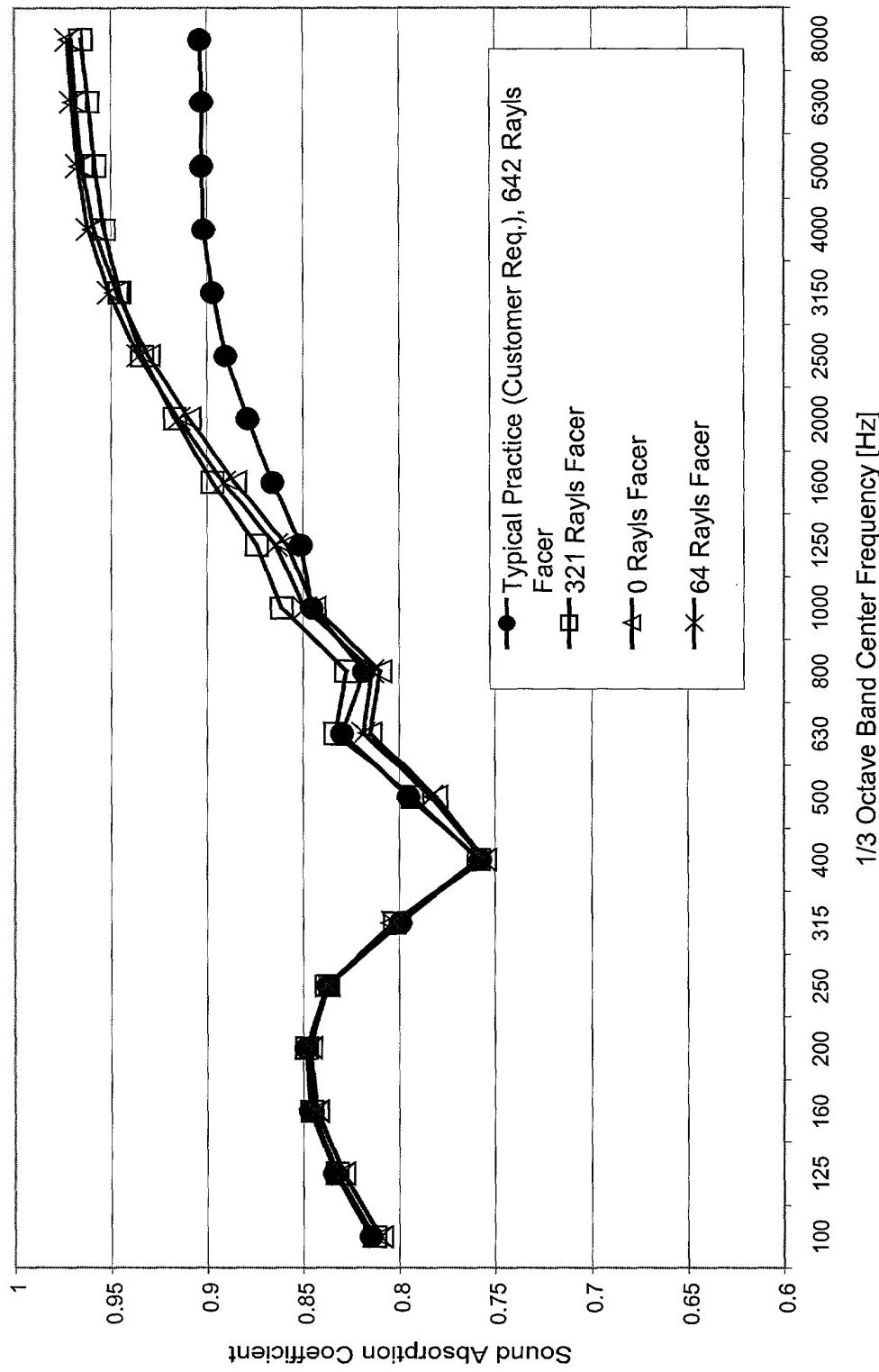


FIG 4

**Model of Optimized Ceiling System**

